

eurobio bmd

VirClia[®]
monotest



THE TRUE MONOTEST

- Flexible and fully automated solution.
- On-demand testing, 1 monotest = 1 reportable test.
- Excellent turnaround time. Simple protocol with results in 1 hour.
- Individual quality control per monotest, no need for additional controls or calibrations.
- Objective method with excellent diagnostic sensitivity and specificity.
- The most extensive CLIA monotest panel in infectious diseases: qualitative, quantitative and avidity tests.
- Allows different VirClia[®] parameters to be tested simultaneously.



vircell 
MICROBIOLOGISTS

>90 PARAMETERS IN INFECTIOUS DISEASES



FUNGAL INFECTIONS

Aspergillus galactomannan Ag

Invasive candidiasis (CAGTA) IgG



SEXUALLY TRANSMITTED INFECTIONS

Chlamydia trachomatis IgA, IgG, IgM

Syphilis IgG, IgG+IgM, IgM



TORCH

Cytomegalovirus IgG, IgG avidity, IgM

Herpes simplex 1 IgG, IgM

Herpes simplex 1+2 IgG, IgM

Herpes simplex 2 IgG, IgM

Rubella IgG, IgM

Toxoplasma IgG, IgG avidity, IgM



VACCINE-PREVENTABLE INFECTIONS

Diphtheria IgG

Measles IgG, IgM

Mumps IgG, IgM

Tetanus IgG

Varicella-zoster IgG, IgM



VECTOR-BORNE INFECTIONS

Borrelia IgG, IgM

Chagas IgG+IgM

Chagas TESA IgG+IgM

Chikungunya IgG, IgM

Dengue IgG, IgM

Leishmania IgG+gM

Rickettsia conorii IgG, IgM

Ross River virus IgG, IgM

Tick-borne encephalitis IgG, IgM

West Nile virus IgG, IgM

Zika IgG, IgM



BACTERIAL RESPIRATORY INFECTIONS

Bordetella pertussis toxin IgG

Chlamydia pneumoniae IgA, IgG, IgM

Coxiella burnetii IgG, IgM

Legionella pneumophila IgG, IgG+IgM, IgM

Mycoplasma pneumoniae IgG, IgM



VIRAL RESPIRATORY INFECTIONS

Adenovirus IgG

COVID-19 IgG, IgM+IgA

COVID-19 SPIKE IgG

Influenza A IgG

Influenza B IgG

Parainfluenza 1 IgG

Parainfluenza 2 IgG

Parainfluenza 3 IgG

Respiratory syncytial virus IgG



ZOONOSES

Bartonella henselae IgG, IgM

Brucella IgG, IgM

Hydatidosis IgG

Tularemia IgG+IgM



OTHER INFECTIONS

Epstein-Barr EA IgG

Epstein-Barr EBNA IgG

Epstein-Barr VCA IgG, IgM

Helicobacter pylori Ag **NEW**

Helicobacter pylori IgA, IgG

Hepatitis E IgG, IgG avidity, IgM **NEW**

HHV-6 IgG

Infectious mononucleosis IgM

Leptospira IgM

Parvovirus IgG, IgM

VirClia[®] Lotus

Any test, any sample, any time

RANDOM ACCESS, CONTINUOUS LOADING

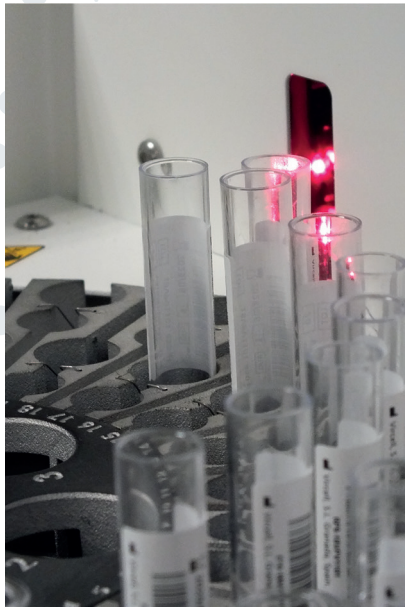
VirClia[®] Lotus accepts any combination of samples and reagents, regardless of the instrument status. Even while running, it remains accessible for reagent and sample addition.

POSITIVE IDENTIFICATION OF SAMPLES & STRIPS

VirClia[®] Lotus built-in scanner allows for full traceability of both samples and strips, avoiding clerical errors.

STAT FUNCTION

Urgent samples can be prioritized. With VirClia[®] Lotus, STAT test requests are given the highest priority for processing.



TOTAL FLEXIBILITY

This true monotest solution allows the laboratory to run low-volume infectious serology tests daily, alongside the laboratory routine. VirClia[®] Lotus unifies in just one CLIA system, all those parameters typically performed with ELISA, IFA or Rapid Tests.

EXCELLENT TURNAROUND TIME

Results appear as soon as they are processed. The first results are available within 70 minutes and then, every 35 seconds thereafter.

The system is able to process 40 tests in 90 minutes. VirClia[®] Lotus holds up to 79 different monotests on-board and 50 primary sample tubes.

SAMPLE PRIMARY TUBES

Save hands-on-time using primary tubes (11-16 mm) directly in VirClia[®] Lotus, avoiding the inconvenience of transferring samples or performing external predilutions.



VIRCLIA® LOTUS TECHNICAL DATA

OVERVIEW

Description	VIRCLIA® LOTUS (Ref. VCLTS-CL) CE IVD
Method	Chemiluminescence immunoassay (CLIA)
Operation mode	Continuous loading, random access
Urgent Samples Management	STAT function
Multiparameter	Full compatibility with all VirClia® assays

CAPACITY

Sample loading	50 Primary tubes, 50 dilution tubes and 6 bottles of diluent
Strip loading	39 in loading rotor and 40 in reaction rotor
Wash buffer	5 liters
Distilled water	0.25 liters
Liquid waste	5 liters (internal tank) / 11 liters (external tank)
Solid waste	80 strips (automatic disposal)

THROUGHPUT

Time to first result	First results in 70 min (one result every 35 seconds)
Speed	40 tests in 90 min

SAMPLES AND REAGENTS HANDLING

Sample tubes	Primary tube (11-16 mm diameter)
Predilution	Automatic predilution if required
Built-in scanner	Positive identification of samples and strips

USER INTERFACE

PC	External laptop 15.3" Touch screen, 1920 x 1080 resolution
Operating system	Windows 10 Pro x64
LIS connectivity	Bidirectional VirCom middleware
Results management	Customized mode (per test, per patient) Automatic full report (QC per test, no standard curves) Accesible results

OTHER FEATURES

Dimensions and weight	W 75 cm x D 74 cm x H 65 cm. 70 kg (max)
Noise Level	<75 decibels
Power supply	Europe: 230 Vac@ 50Hz USA/Canada: 110-120Vac@ 60Hz
Electrical Power Consumption	365 VA